

Okoboji 1916
Okoboji 1918
Woodbine "
Omaha "
Waverly "
Olin "
Winteret "
Pella "
Ames-Chelsea "
Pittsburgh "
Dwight Park "
Chester "
Independence "
Downey "
Okoboji I "

8 miles

1916
Okoboji - Up 29 Miles
left at 9³⁰ AM for
Cedar Rapids, with
Mr. Rogers.

Up 30 Sat. 1916

Rodeled about half
at about 8⁴⁵ AM. Took
a single horse from
Deibner's Livery.

He charged me \$2.00 for day.
The day was all at
windy.

We started & iron
draw bridge & then
followed lake line
south.

Started along E. side of
E. Hobojo at 9 am.
Stopped at first large
creek & noted Red oak
moss & diatoms on E.
side of road, & the West
will.

Red oak 1 - is 16 in in
^{branches} diam & stones on bench
above bark. It is
surrounded by smaller
trees, Tilia, Ostiga, &
smaller oaks.

Tul. leaves - 1(a) from
lower part & 1(b) from
upper.

Mosses acron 1 - Prob.
They are brown.

Red oak 2 - has narrower
leaves - & is near
1, one-sided cream of
it, & 9 - in in diam
leaves 2(a) are for

lower part & 2 (b) from upper.

Red oak no 3 is still on
bench, but near where gentle
slope begins to take -

S. of creek

It is 20 in. in diam &
is now on an isolated
knob of the prairie
thinner out.

Across small.

3(a) are lower brs.

3(b) are upper

Lower brs here also exposed
as no trees near.

Drove to Warner's Chapel

Photo 33, 34 - Looking E across
Prairie Lake.

Photo 15 - N. end of Prairie Lake
along - Muskrat house

Photo 16 - S. end Prairie lake
(& Mysk) Warner's Chapel

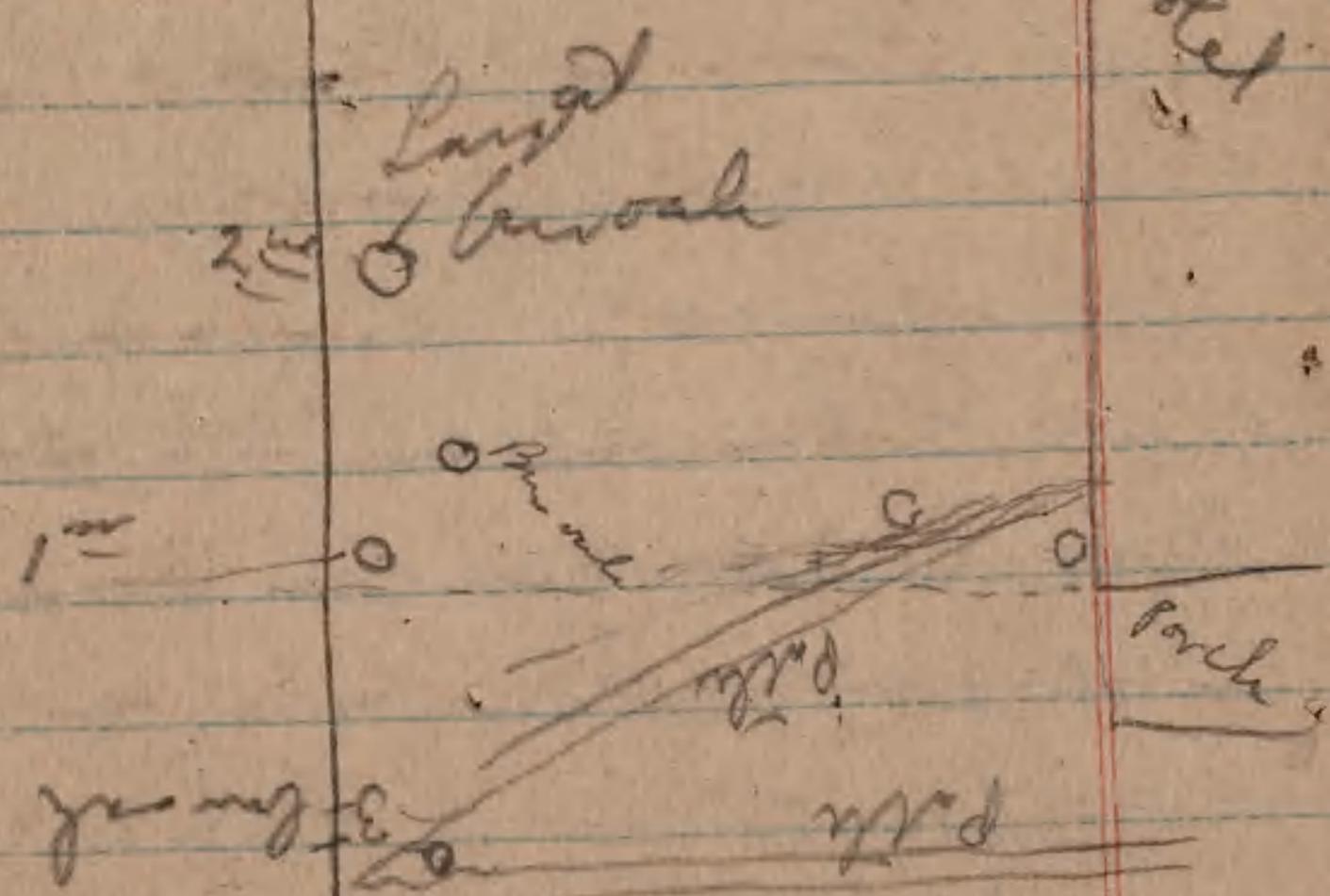
Photo 11 - Cluster holes N.
2 - 100 ft. S. of trail and 99-36.
way to cabin E. N. 2 hole holes

Drove on to Arnold Park

Red Oak no. 4 in
in front of 2 others
west of first N & S road
W. of upper Gar Lake &
on N side of E & W.
road.

Diam. = 19 in. //

Brake



Put up house for
feed & walked to Town
Beach, now abandoned.
Returned to house &
drove to Terrace Park.
Found Plumslitia only
in one Prairie ring
Saw plenty of Amelanchier
& some slender signs of
Plumslitia (old) but
none fresh.

Very same this year.
The Terrace Park land
is dry & brown.
Drove to laboratory
put house in Livingston
& spent up evening
with uppers & following
meals at Livingston.
Slept in my old room
in college.

Oct. 1, 1916 - Sunday.
Arose at 6³⁰, but
did not get started
until 7⁴⁵.

We drove west 1/2 mi
from willows & then
S. I cleared some
boulders.

Everything is brown,
but *Aira multiflora*, *Pitu-*
laeria, *Aster sericeus*
& *Gentiana parviflora*
were at their best.

All over the
landscape the
native fuchsias in
gravelly ridges &
slopes above the
red of *Erodium*.

Spent the forenoon by
the bridge & water
banks for mosses etc.

The south slope of
the valley is woody,

chiefly with Green Ash,
Box elder, *Ostrya* & Basswood.
Salix cordata var. missouriensis
everywhere in clump in
the bogs.

Collected lichen & fungi on
Basswood & mosses on banks &
rocks. Also low shrubs
under sticks.

Then collected lichen &
fungi on *Salix cordata*, etc.
One salix has very narrow
leaves (see specimen)

has a water trough
(in the morning great flock
of eared wings form fence from
Spirit Lake where they are
seen to root on water. They scatter
over fields - thousands of them).

Plot 7, taking up Dog ear
to left - no moss, bisonia,
green ash, boxelder

Plot 8 - Clump of *Salix cordata*
as before - Phragmites common

Plots 9 & 10 - Peeling up
Boys neck - gathering away
Clump of willow at
night in fore = no. 8

Crossed Little Sioux
to E. side & looked at
prairie slopes - Saw
Oxalis multifida
" *Bromus*
Kelloggia subarva
Aster sericeus
Gentiana pubescens
fr. *Bouteloua hirsuta*
fr. *Cirsium punctatum*
Solidago nemoralis

Collected lichen, etc., in
willow grove S. of E. & W.
road & just E. of N. & S.
roads down which I came.
Returned after 2 P.M.

Took dinner & went to
Miller's Hotel dock to
look for Brulean Beddin.
McKinney was with us.
Found flowers all through
plant very brittle.
Wheeler & Green Pt. Found
wolffia still, very
abundant in Dickinson
Slough.

Collected a Chrysanthemum (?) in
canal.

Threatened storm most
of afternoon but it
did not amount to
much even at night.

Passed plants &
retired about 11 P.M.

Oct. 2, 1916 - Monday

Rogers went to Capel, I. Harker
collected fur seals. Started at 7 a.m.

Plot 5 - Looking S. at
Fish hole bay

Plot 6 - Looking down
on the S.

Plot 9 - Dunes of
Spirit Lake (dry)
looking N.)

Plot 10 - Looking E along
Spirit Lake beach

Plot 23 - Looking west E along
green bank

Plot 24 - Looking W.

Plot 7 - W. of N. across
Spirit Lake
From dock.

Plot 8 - North - Fish hole

Plot 31 - S. of - upper Ed Hoboy

Plot 32 - N. beach E. Hoboy
Looking E.

Afternoon cloudy.

Returned at 5³⁰, put
up at The Antlers
Hotel.

1 p.m. & drove N. across
head of lake.

My Cypridium were
all out.

Stopped at head of lake
& found some Utricularia
with long terminal ones, -
no fls or fruit.

Then drove to Emerson
Bay & found stuff in
little canal all day.

Drove E. & now S. of
Center Lake. Found there
where my peculiar *Cataglyphis*
maroccana grew there
is a house!

Reached Spirit Lake
at 3³⁰ & shipped
two baskets, pins &
drugs.

Took Rogers to depot, & then
drove to Orleans.

Took photos.

Oct. 3, 1916 - Tues.

Left Spirit Lake for
Wyo., via Herndon
+ Mattole.

Day clear but
windy.

Cleaned shades, etc.

Expense

Sep. 29. To Cedar Rapids .50
20 Spring Cala 4.54
Knife, soda, gas 75 50 10
Horse-fun - Amherstland .15

Oct. 2 - Mrs. Livingston 12 meals 3.60

Horse fun 1.10

Expense dredge .35

4. Papers, watch 2.00 1.60

Tiny, Deibler, 3 day 6.00

Oct 3 - Hotel - room, bath 1.50

Provisions .75

RR to Wyo 4.11

Bus .25

Dinner, car work .65

Breakfast, coffee .50

25.65

5.20

25.60

8.83

70 34.43

213

32.30

~~235 235 7.83~~
~~33 4.70 5.70~~
~~7.78 2.13~~
~~7.78 + 1.00~~

	36	
	8	
	<u>288</u>	
Account - May 10-14, - 1918		
May 10 - Car fare to Cedar Rapids	.65	
R.R. to Spirit Lake (4.84)	4.48	
Sleeper " (1.65)	1.50	
May 11 - Breakfast en route	.80	
Geo Miller - taxi to Lab. <small>(Milford 2.50)</small>	3.00	
May 12 - Seph Livingston - auto	1.00	
" 13 - Antlers Hotel, Spirit Lake	1.00	
RR. to Rockwell City	1.64 - 1.75	
Dinner Grand Hotel "	.60	
RR. to Woodbine	1.50	1.64
RR. to Council Bluffs.	.72	
May 14 RR. to Cedar Rapids		
Sleeper (tourist)	1.15	
RR. to Iowa City	5.26	
Breakfast, St. Cedar Rapids	35	
	27.15	
	3.80	
	<u>23.85</u>	
	.65	263
	4.48	<u>5.13</u>
	1.50	
	1.80	7.89
	3.00	<u>87</u>
	3.64	
	2.10	8.76
	.72	
	1.15	263
	.35	<u>2</u>
	8.76	
	<u>27.15</u>	8.76
	5.26	
	<u>3.80</u>	

Okoboji, Woodbine, etc

May 10-1918 - Friday

Left at 9⁴⁵ PM. for Cedar Rapids
Took sleeper.

May 11-1918 Saturday

Awakened at Grinnell.

Things still look like early spring.
Leaves on trees very small, blossoms
in flower.

Along prairie beyond Estherville
I noticed in flower:

Emmet Co	oxalis violacea	Rath common
	Lithophragma canescens	common
	Taraxacum	few
	Lithophragma glabratum	few
	Viola pedatifida	common
	Astragalus angustifolius	common
	Castilleja miniata	local
	Succowia	local
	Antennaria emilia	"
	Pedicularis canadensis	local
	Zizia aurea	few
	Crinum petraeum	fr.
	Gaura cespitosa	few
	Ranunculus	all these west to top of grade

Dickinson Co.

Towards Superior & beyond to
Orleans, the following:

Lithophragma canescens	common
Ranunculus fasciculatus	common
Astragalus canadensis	common
Anemone patens	common
Zizia aurea	few
Pedicularis canadensis	bulky common
Cornus alba	local
Viola pedatifida	requent
Zizaniopsis (again as before)	Superior
Cornus alba	"sparsely" beyond
Antennaria neglecta	local
Oxalis violacea	"
Agoseris	"
(In pond Ranunculus multifidus)	few
Ranunculus fasciculatus	local
Scirpus	local
Polygonum americanum	near Orleans, one

Reached Spirit Lake at 8 am.

Arranged with Miller to take
me to the Lab.

Visited Sheets.

Found Lab. in fair shape,
but it seems to be running
down some, though not as bad
as last year.

Found *Sisyrinchium* in bloom near
pump-house, and on the
prairie N. of mail-box.

Pedicularis canadensis

Viola delphiniifolia

Anemone

Oxalis violacea

at Lab. the little Carex
stansphylla was in bloom

Livingston's gave me a
piece of their garden, about
about 25 x 56 ft.

This was plowed and I
cleared, sod out.

In evening saw "The Beast
of Berlin" at Wilford.
Is not to bed at 11³⁰.

May 12, 1918 - Sunday.
Worked in the garden all
day. Planted following:

18 in.	—	Golden Bantam Corn.
36 in.	Rept & Day Corn.	
36 in.	Golden Bantam Corn.	
26 in.		
30 in.		Tall Peas.
30 in.		Dwarf Beans - Yellow
24 in.		Dwarf Beans - Crim C.)
28 in.		
18 in.		Dwarf Peas.
18 in.		
18 in.		
12 in.		
14	Lettuce	
14	Spinach	
14	Radish, Crystal Beets	
18	Radish, Crimson	
18	Beets.	
18		
12		
48		Summer Sweet Cress.
36	*	
48	*	
48	*	

38 ft.

18 ft.

The bur oaks are mostly in flower, but the tree just N. of Evers' north tree is only in bud, with a little sprout or two with small leaves.

After finishing garden work, I was taken to Spirit Lake by Mr. & Mrs. "Dish" Langston. Spent the night at the Antlers Hotel.

May 13, 1918 - Monday
Left at 5:45 a.m. for Rockwell City. Took dinner at grand hotel in Rockwell City.
Left Rockwell City via Lee County at about 12:45 p.m. for Woodbine.

Met Mrs. John Hammill on train. Reached Woodbine after 3 p.m. but Mr. Hammill, etc.

Collected fine *Gymnosporangium* on a Cedar tree in town. Everything seems to be backward because of dry spell.

Ran in wood in evening, and spoke.

Spent night (with Mr. Henderson) at Mrs. & Mrs. Drapier.

May 14, 1918 - Tues.
Left at 7³⁶ a.m. and reached Council Bluffs at 8⁴⁵. Took interurban to Omaha. Paid exp. at the Paxton & went to Temple. Met many Star members, & attended day & evening

session we were formally presented about 18 or twenty down town officers were present.

Left at 9 AM for
Cornell Bluffs &
Cedar Rapids.

May 17 - Friday
attended County
commencement at Waverly
but storms prevented me
from getting out.

This was for Miss May
Francis, Co. Supl.

May 21, 1918 Tues.

Went to Elgin, Ia. To
talk to Herring & E. Stans
loyalty meeting.

After evening went west
along Rd & picked up
prairie flowers

Antennaria	Com.
Dodecatheon	Fern
Lithospermum	several
Phlox pilosa	Comma
Hypoxis hirsuta	common
Blue-eyed grass	"
Ranunculus macrorhizus	(or prairie comme)

Potentilla canadensis com.

Vicia hastata "

" pedatifida "

" concavata (?) "

Adeleiastris canadensis local.

Fragaria virginiana com.

Populus tremuloides "

" tremuloides "

Tragopogon dubius (L.)

Ranunculus aquatilis com.

Hedysarum hispidum com.

Sisyrinchium campestre (com)

May 22-1918

went out east along

RR & found:

Tradescantia virginiana com.

Sisyrinchium leporina com.

Anemone pennsylvanica com.

All in flower & all collected.

Account - Winterset, Pella, Cedar

May 23. Iowa City - Taxi.	8.25
R.R. to Des Moines	2.61
Sleeper	1.65
R.R. to Winterset	.76
May 24. Arcade Hotel "	1.75
R.R. to Pella	1.79
Bus. Carlisle to Clarkson	.25
R.R. to Des Moines	.22
Postal dues	.20
Telephone - Pella	.35
Dinner - Des Moines	.75
R.R. & Howell ^{return}	.84
Supper - Des Moines	.60
May 25. Cab ¹⁵ , R.R. to Des Moines	1.19
R.R. to Ames	.79
R.R. to Clarkson	1.45
Dinner at Ames	.40
R.R. home	1.88
	<hr/>
	\$17.73
	<hr/>
	9.8

Gibson

May 23-1918 - Thurs.

Left Iowa City at 12³⁰ AM.
Slept until 5³⁰ am
Left Des Moines at 6¹⁵ for
Winterset. Arrived at 8⁰⁰
& went to the Arcade Hotel.
Our train met conductor
who used to go to the
Academy, with Senator
Kenyon. He lives at
Valley Junction. 8 am O.E.
Landed at 8¹⁵ AM. & went to
the Arcade Hotel.
Called on Arthur Gordon
at the Post Office & visited with
him most of forenoon, & took
dinner with him.
Then he took me to the
Bucklome. Woods had
been burned over. *Polygonum*
alboflavum was very abundant.
Collected a wood plant &
meadow plants on top of the

ridge. Following were
collected:

Woods (bluff on top)

Viburnum dentatum

Lonicera

Aquilegia

Woods (upper lower down)

Geranium maculatum

Polygonum perfoliatum (fr.)

(Dicentra cucullaria - saw it)

(*Sanguinaria* - fr. & fl.)

(*Aralia nudicaulis* fr. & fl.)

(*Urtica* - fr. & fl.)

Hypoxis hirsutissima

" *canadensis*

Ranunculus esculentus (?)

Botrychium virginianum

(*Cystopteris fragilis* - saw it)

Cystopteris marginalis

Smilax

Prairie.

Arabis drummondii - bud.

Lithophragma canescens

Drymocallis -

Ceanothus americanus -

5 *Carex sempervirens* - fr.

" *fistulosa* - fr.

Poa

Astragalus coryneiformis - fl. other fr.

Lupinus (?) in bud;

10 *Oxalis violacea*.

Delphinium - (bud)

Comandra umbellata

Scutellaria parvula

Eriogonum canescens

15 *Iridaea integrifolia*

Took supper at Gordon's. We
were caught in rain.
Gave my address in the
evening Standard.

Met Mr. Gibson in real
estate business. He was
born in Johnson Co. over the
line (or just over in Massachusetts)
Related to Peacock, etc.
Knew Bob Graham well -
best friend.

May 24, 1918. Friday.
Rained.

Left at 8²⁵ Am. A freight
wreck at Cascade stopped
us and I took taxi
across to Clarkson & took
C.P.R. train to Des Moines.
Found me an arm
stretcher at station.
Spent afternoon together
the Belgian soldiers

were in Des Moines a fine,
good-natured fellow, with nice
frank faces. Talked to
one sergeant, who could
speak Russian & Polish a
little.

Left at 5 P.M. on Water
for Howell, and a taxi
took me to Pella.

Put up at American Hotel.
Kept by Gibson who runs
County Redick.

Talked in High School
auditorium. Early part was
interrupted with a drama put
on boat flying in room
talked over on boat in consequence.
Met Mrs. Scholte and
learned that Bob is at
Camp Dodge.

Mr. Foss in the surf.
Met Mrs. — wife of the Swedish
daughter.
This town is Holland, &

The hotel man says
many are displaced.
90% of people we
saw to be Dutch.

Saw Rose blanda in
flower, & also a low
prairie rose, *R. pratincola*.

Sat. May 25, 1918.

Life at 8³⁰ am.

At Fairmount we
were blocked by
delay of other train
for nearly an hour.

Jackson Co., Gathland Prairie
Plants along the RR
Spartina cynosuroides
Lithospermum canescens
Desmodium - - -
Arenaria canescens
Oxalis violacea
Carex -

Poaceae -
Achillea - - -
Ammomum dictyon - - -
Equisetum pratense - - -
by road:

Between Fairmount & Prairie
City much Phlox pilosa in
flower. Also Tradescantia
(smooth).

At Prairie City saw Melilotus
Officinalis in flower, very
common along right of way.

Just beyond (n.) of Prairie
City I could see much
Phlox pilosa, some fine
beds, much *Spiraea*, &
Arenaria dictyon,
Lithospermum canescens, *Comandra*.
This is a nice bit of
prairie & near.

Polk Co. Near Nobleton I saw
Stipa, some in flower.
Also *Gentianella oblonga* in full
flower.

Most of the *Phlox* is red, - very
few white.

Also a lot of young *Polygonum*
argophyllum.
Euphorbia cyparissias - 1 patch

25 - Sun

along RR
Arenaria dichotoma in
lower places.

Antennaria

Senecio -

Equisetum -

Oxalis violacea

Right at Nobleton all-
this is very good - especially
just as you come in.
Just N. of Nobleton

there is much

Ceanothus ovatus.

Also much Tradescantia

Two young Silphium
laciniatum & integrifolium

Oxybaphus rotundifolius

Bryonia alba

Vitis vulpina Lf.

Althaea officinalis

Rosa blanda (?) locustella,

Near Altomira also

good prairie.

Walk from Nobleton to

Altomira, - this is only 5 miles &
worth while.

Nobleton & Altomira are in
Polk co.

Prairie City & Fairmount are
in Jasper co.

Pellaea in Marion co.

Altomira to Des Moines -

Thlaspi palustre - hatala

Oxalis violacea "

lisymbrium sativum "

Bryonia alba

Arenaria dichotoma

Lithospermum canescens

Prunella vulgaris Lf.

Poa -

Senecio - Polidio

Tradescantia corn.

Rosa corn.

Equisetum arvense corn.

All near Altomira.

Ceanothus ovatus

Rosa - ?

Eriogonum ramosum
Achillea millefolium
Melilotus officinalis
Oenanthe
Equisetum hyemale?
Oxalis - yellow flowers
Melilotus officinalis very common at East Dry Mtn.

Reed's Dr. Morris a little after 11.

May 14 & Anne & went one to 2nd v Grand to Intermountain Station.

Lay for Anne at 11:30 AM.

Story Co left Anne at 2:10 PM.
Between Anne & Nevada some prairie strips
Phlox pilosa, mostly white
Lupinus -
Lithophragma canescens
Is Nevada -

Nevada to Colo - much lower
Zizyphus amara
Chrysanthemum
Lithophragma canescens
Symphytum
Anemone canadensis (lower)
Poa
Tripa

Colo to State Center - Quite a bit lower.
Symphytum - white
Vicia am.
Anemone canadensis
Zizyphus amara
Poa
Lithophragma
Phlox pilosa mostly white very common
Prunella angustifolia - los.
Tripa pratensis
Apocynum cannabinum los.
Silphium laciniatum juv.
Adonis amurensis local
Succowia
Saxifrage branched los

~~Lithophragma longifolium~~? ^{ratum}
Anemone canadensis
Phlox diffusa ~~Nate Center~~
largely red.
~~State Center to LaMoille~~ ^{mostly} ~~low~~
Poa
Panax ~~ginseng~~ - fr.
Lithophragma canescens
Lychnis viscaria
Sisyrinchium - white
Phlox diffusa - mostly red.
Agastache bracteosa
Medicago officinalis
Tragopogon eriopodus
Fraxinus americana
Fraxina nigra
Hypoxis hirsuta
Bad weather now
LaMoille ^{train} - A creek
flooded, filled up.
No big boats needed.
Anemone canadensis
Zizia aurea

LaMoille to Marshalltown - much ^{low}
Poa
Phlox diffusa - mostly red.
Fraxina nigra,
Sisyrinchium - wh.
Anemone canadensis -
Hypoxis -
Equisetum arvense
Tradescantia - mostly
~~Fraxinus~~
Danellia ^{Fr.}
Medicago sativa L.
Poa compressa -

This part was much flooded,
Fields washed, bridges out, etc.

Annes, Nevada & Cole are
in Story co.
Nate Center & LaMoille are
in Marshall co. also
Le Grand.
Mountaine, Iowa, Long Point &
Clarke are in Boone co.

much low bottom

Marsh bottom to Quarry

Phlox pilosa red

Lithophragma canescens

Anemone canadensis

Poa compressa

Equisetum arvense

Fragaria ananassa

Quarry to Le Grand

Poa compressa very com.

Equisetum arvense

Dandelion for

Phlox pilosa mostly white

Lithophragma canescens

Stipa tenuissima

Fragaria virginiana

Jama

Le Grand to Morton

Poa -

Dandelion - for

Astrophytum hookeri by

Fragaria virginiana

Phlox pilosa mostly white

Lithophragma canescens

Equisetum arvense

Acetosella - low

Morton to Jama

Poof

Grevillea condensata

Sisyrinchium

Senecio

Lithophragma canescens

Mostly low & flooded

Jama to Long Point

Phlox pilosa white com.

Anemone canadensis

Senecio

Zizaniopsis miliacea

Dandelion

Long Point to Cedar Creek

Lipidium spelson

Anemone canadensis

Senecio

Phlox pilosa - white

Sisyrinchium - white

Reached Chelsea about an
hour late & was met by
Supt Tyler, who took me
to his home.

Chelsea had had a
tremendous which broke trees,
wrecked houses, injured
houses, broke plate-glass
windows, blew the Catholic
church spire down, and
thinner played harder,
yet no one was injured
except a man who tried
to pick up a live wire
and was electrocuted.

Called on Mr. & Mrs.
Wright, - also on the
three sons who have a
dry goods & gen. merchandise
store.

In evening gave address,
4 graduates, - girls, & only
one Bohemian!
Mr. Tyler took me to Town

in his Ford, where we arrived
at about 12 midnight.
Left at 1:05 am. for Ames,
arrived at 4 am., about $1\frac{1}{2}$
hrs. late.

Left for Dr. Mains at
7 am. with C. & A. W.

To Pittsburgh Pa.
May 29-1918

Expenses -

May 29 - RR. to Pittsburgh	\$ 18.81
Supper en route	.90
Upper 4-(4) to Pittsburgh	2.20
Breakfast ^{8.5} Poter	²⁵ 1.10
May 30 - DInner ^{8.5} Weber	supper ^{7.5} 1.60
" 31 - Breakfast, DInner	^{7.5} 1.50
W. Penn Hotel room	2.50
Supper RR. restau	.35
RR. & Sleeps Englewood	15.20
Poter, Breakfast	^{12.5} 1.50
Buffet-dine) Chicago	.75
RR. to Iowa City	5.92
	<hr/>
	\$ 52.40

✓

Pittsburgh, Pa. wed. May 29, ¹⁹/₁₈

Left Iowa City at 3³⁵ PM
(25 min. late) and reached
Englewood at about 10²⁰.
Took the Pa. to Pittsburgh.
May 30 was met by Mr. Knorr
on the train.

Located at Hotel Penn where
we were taken in parade
which was a big affair.
The speaking was at the
Exposition Hall - holds
about 7000 people. Full.
Mr. Kramaty spoke, also
the Mayor's wife and
Judge Buffington.

I spoke in English for about
20 min. then Prof. Masaryk
in both, + then a
string of others.

In the evening I
attended the Slovak
conference where Dr. Masaryk

cleared up metters.
Mr. Huse, Slovák editor
(of Bohemian ~~present~~)
who had pulled
doubts about Bohemian
got his from all sides.

May 31 - Friday
Meeting in Mone Temple,
I was elected president
pro tem. Most of the forum
in preliminary & discussion of
Vosha memorandum affair.

In the afternoon a large
part of time given to
discussions, more or less bitter
between Berger & Vosha's
friends, especially ^{new} Konkol.
Kept on until nearly
8, & pushed work to
a close.

Took the 9:05 Train for
Englewood.

June 1 - Sat.

(Valparaiso, Wanatah, to Hanna)
For two stations east of
Valparaiso, Ind., there are
strips of prairie along RR (Penn.)
Sav. At Valparaiso, timbered.

~~Phlox pilosa~~ -
~~Achillea~~ -

~~Baccharis~~ ~~autella~~

~~Eriogonum~~ (ramosum?) ✓

~~Tigridia~~ -
Poa -

~~Musescantia~~ (smilax)

~~Allium canadense~~

(~~Oxyria~~?)

~~Eriogonum philadelphicum~~ (low ground)

~~Hedysarum~~ -

~~Dolichothecum~~

~~Saxifrage~~ (lower places)

~~Polygonatum canadense~~

~~Chrysanthemum leucanthemum~~

~~Opalis~~ - yellow bunches

~~Cocculus nitans~~ on blueberry

~~Aquilegia~~ - very small

Reached Englewood at 8²⁰
- at 8⁴⁵ am left for
Dune Park.

Collected first near
station, then on dune N.E.
+ then on dunes sand flat.
The wood to the E. on
the dunes, as mostly
oaks at edges blended
open + with many prairie
or sand plants. Saw following-

Eryngium fl.

Poa heterandra fl.

Phlox pilosa fl.

Lithospermum gmelini

Dragunculus vulgaris fl.

Osteria argentea

Antennaria thompsonii

Smilacina elliptica

" *racemosa*

Baldia lindleyi

Endlicheria molliflora

Cornus virginiana fl.

Vitis vulpina fl.

Celastrum scandens lf
(Carey - said me open)
White Sweet Mallow - Arabis

Oenothera - open

Christina

Aster perennis - leaves

Walked to Kickapoo on the
electric + took car for
6³⁰ st.

Saw *Castilleja occidentalis*
near Gary

White + yellow Pond-lily
were in bloom

walked from Ill. cut. on
68² to Englewood CR 8 & 9
Station

Took 6¹³ pm train
back home.

Expenses to Chester 1918

Gasoline to Chester	
Jan 7, Auto to West Blk - Sidwell	\$ 6.50
RR. to Waterloo	1.94
Transfer at Waterloo	.25
Lunch "	.25
RR to Delwin	.88
RR. to McEntire	1.38
Breakfast, Delwin	.45
RR. McEntire to LeRoy	.19
RR. to Waterloo (from LeRoy)	2.54
RR. to Cedar Rapids	1.30
Hotel Ellis - room, laundry	1.80
Telephone - Cedar Rapids	.30
	<u>\$ 17.88</u>
	<u>2.50</u>
	<u>\$ 19.58</u>

1.19
 2.54
 1.30
 3.00 auto to Iowa City
 16.98
 # 24.01 what
 20.⁰⁰ room
 4.01 telephone
41.01

6.50	
3.88	
.80	
.25	
1.16	
2.76	
.45	
.38	
<u>\$ 15.88</u>	
<u>.50</u>	
<u>\$ 16.38</u>	

✓

West Lib.

To Chester, Ia. June 7-8 1913
Left Iowa City at 8:35 AM
via auto to West Liberty
Arrived 9:20 PM.

Left for Waterloo at 9:30 AM.
Arrived 1 AM.

June 8

Left on C.R. W. for Delwin
at 4:00 AM, arrived 5 AM,
left 7:45 AM for Middletown

Prairie beyond Delwin
shows mixed Phlox pilosella,
Kerria, Yucca, amva.

Brewer From Fredericksburg
to Boyd.
Equisetum arvense

Dandelion

Tradescantia (smooth)

Couleea (biennial)

Disperma (wet)

Phlox pilosa (mostly red)

Hedysarum

Euonymus coriaceus

Krigia euphorboides

(in flower unless otherwise
stated)

Anemone umbellata

Ranunculus macrorhizus (wet)

Silphium laciniatum (leaves)

Zizaniopsis miliacea

Achillea

Anemone heterophylla

Polygonatum

" coniforme

Asteroides laevigatus (leaf)

Laxiflorae paniculata (leaf)

Thlaspi glaucum

~~Calochortus~~ ^{at least} ~~Chickweed~~ ^{co.} Salicornia europaea (leaf)

Ranunculus Aquatilis

Dodecatheon

Galium boreale

Bramia arvensis

Hordeum jubatum (in town)

Fredericksburg to Boyd.

Hordeum jubatum (town)

Acalypha virginica (Y)-

Dandelion officinalis

Tradescantia (smooth)

Silphiodontes

Euonymus coriaceus (leaves)

Tipa

Equisetum arvense

Aster ludovicianus (long)

Lysimachia vulgaris (old)

Oenothera biennis (?)

Adonis amurensis (polymerous)

Hedera

Krigia diffusa (annual)

Phlox pilosa mostly pale.

Lysimachia nemorosa (low)

Reichardia

Dianthus barbatus

Zizia aurea

Solidago long.

Anemone patens on sp.

Roxbury to New Hampton

Zizia aurea

Hedera

Krigia

Phlox (pale mostly)

Ova pulvinis

Lysimachia

Bromus arvensis

Tipa

Calystegia sepium (long)

Diodia ciliolata

Silphium laciniatum low

Pascifraga — (low)

Arenaria canadensis

Equisetum arvense sterile

New Hampton to Devon

The Phlox is mixed all along here
but mostly pale, some, only white.

Equisetum arvense sterile

Krigia

Phlox pilosa

Zizia aurea

Solidago canina — low.

Hedera

Ova pulvinis

Aster ludovicianus long

Lysimachia vulgaris old

Silphium laciniatum long

Much low & also some
weedy.

Devon to Alta Vista

Anemone heter. fr. common
Phlox, etc.
Rosa - low.

Apoxyllum - pale. low

Howard Co., Alta Vista to Elma

Cornus alba ssp. low

Solidago canadensis -

Bartsia

Dandelion - common

Rumex crispus

Stipa capillaris

Phlox pilosa

Poa compressa

" pratense

Equisetum arvense

Artemisia ludoviciana

(Eryngium r. pectinatum
Panicum capillare / fine)

Anemone heter. fr.

Saxifrage - low.

Zizyphus

Gaultheria ericoides low

Tradescantia sp. smooth. bl.

Slender gilia low

Heuchera

Aquilegia formosa - low

Krigia -

Linaria vulgaris nigra
Toad-flax (or Elma)

Tephroseris palustris "

Hedemum galactinum "

Brassica arvensis "

Elma to Acme

Melilotus alba - in tree

Dandelion " "

Artemisia ludoviciana low

Leptidea capitata old

Tradescantia - red. low

Stipe

(Some woods)

Aquilegia formosa low

Rumex acetosella

Phlox pilosa

Fallopia edulis low

Zizyphus

Drimocarpus (low)

Anemone canadensis

Asclepias syriaca low, " in

Much not good grasses.

Acme to Riceville

Bromus arvensis - in town
Lithophragma canescens (few fls.)

Phlox pilosa

Zizaniopsis

Pedicularis sudetica fr.

Tradescantia - not

Krigia -

Iris versicolor - low

Salix cordata - low

Heuchera -

Hypoxis hirsutissima

Saxifrage - wds

(Mud low, wet here)

Mitchell Co.

Riceville to Mc Intire

Davallia solinoides

+ Adonis -

Convolvulus sepium - low

Aquilegia Sibirica - low

+ Saxifrage - wds

+ Zizia aurea -

Bromus arvensis

+ Phlox pilosa

as McIntire I collected those
marked +

Staph. lanata - low
Salix rotundifolia - low

Tradescantia - Dovitch

+ H. grossa, erecta -

+ Heuchera -

Artemisia ludoviciana - low

+ Krigia -

Grimmia tridentata - fr.

+ Lithophragma canescens (few fls.)

+ Poa compressa

+ " Potentilla

+ Salix humilis - low

Baccharis corymbosa

Rosa - blanda (?)

+ Epilobium aviculare

+ Galium boreale

+ Stipa spartea

+ Klugia glabra - low

+ Q. macrocarpa

+ Potentilla simonii

+ Ranunculus acris ?

+ Stellaria (?)

+ Glyceria striata

+ Hordeum jubatum

- + Carex
- + "
- + " Braunii Schleicher (var.)
- + Rudbeckia hirta lvs.
- + Oenothera glazioviana
- + Petunia aguatica
- + Geranium mollestrum
- + Antennaria plantaginifolia
- + "
- + Festuca setiflora
- + Scrophularia lepoullei
- + (var.)
- + Knautia dasycarpa

These were collected 5-7
McIntire along the
RR - on a plain
which seem to be
rather moist.

- { + Lepidium apetalum
- + Vicia amurensis
- + Lathyrus vernus
- + Coreopsis palmata lvs
- + Violaria cristata
- + Eryngium tanacetifolium lvs

CENTRAL AMERICAN FUNGI.

CHARLES L. SMITH.

Fooled around at Mc McIntire
until 2 min. after 2.
Between Mc McIntire & Le Roy -
Towanda

Rhus glabra

Zizyphus amurensis

Geranium mollestrum

Hydrophyllum laevigatum

Polygonum

Salix cordata

Rosa -

Aquilegia canadensis open prairie

Asteria laetevirens lvs,

Poa

"

Solidago rigida lvs

Lespedeza capitata old

Kerria -

Lithospermum canescens

Knigia -

Anemone pilosella

Delphinium nelsonii lvs

Antennaria plantaginifolia

Daphne laureola

etc.

Lycopodium - wet
Tradescantia smooth
Reached Le Roy at about
12³⁰ from auto for me.
Drove through very fine,
quite flat Prairie country
9 miles to Chester.

Met Dr. L. V. Clark

Had dinner at Clark's & then
spoke in street to large crowd.

Seargent Hawkins & Corporal
Skinner were also on hand
Followed with talk, Hawkins
giving gas mask demonstration
Dish supper at Dr.

with the Sergeant & Corporal.
Met a number of Belgians,
among them Lourain, his
wife who is a Vac. Grego's
daughter, & Rev. Havlik
from (Saratoga)

A good many Prohemis, Eve
Southwest of Austin.

met Mr. & Mrs. Christian Nelson
& son, who travelled with me
in 1914. They are Doves from
Schleswig & strongly anti-German.
They took Sergeant Hawkins & me
to Le Roy, where we took
train at 10⁵⁷ am for
Waterloo (I believe for Des Moines).
Reached Waterloo at
3²⁰ P.M. & put up at the
Ellis House.

Sun June 9, 1918

Took Waterloo at 8¹⁵ am, by
Interurban, for Cedar Rapids.

On sandy flat beyond the
Cedar I saw: (D. LaPorte City).

Plantago aristata fl.

Zantedeschia (smooth) fl.
Lactuca pale in flower

Lithophragma glaucum "

Rumex acetosa "

Oxalis - yellow

Rosa - low.

~~Veronica agrestis~~ fl. (large)
~~Anemone canadensis~~ fl.
Achillea - new fls.
Eriogonum racemosum "

Benton Beyond Labata:

Co. Eriogonum racemosum fl.
Desmodium nudicaule fl.
Lobidium apetalum fl.
Tradescantia ~~multifl.~~ fl.
Hedysarum globulosum fl.
(mostly not real prairie,
but open bottom land &
embankment stuff.)
Then follow road, part
of the way wide track
on narrow strip between
river & bluffs.

Krigia on open prairie (rarely)
Iris missouriensis (hybrid) "

Brandon.

Thlaspi descoenei - fl.
Artemisia ludoviciana - los.
Aster - fl.
Geum canadense fl.

(This is just west of May -
not sandy)

Lepidium apetalum fl.
Rosa pratincola fl.
Convolvulus sepium - fl.
Oxalis ~~yellow~~ fl.
Rumex acetosa fl.

Collected plants at siding
beyond Brandon:

Pentstemon grandiflora fl.
Lepidium apetalum fl.
Rosa - fl.
Eriogonum racemosum fl.
Oxalis - fl.
Veronica agrestis fl.,
Branwellia - " fl.
Heuchera - fl.
Maya - fl.
Tradescantia fl.,
Achillea - fl.
Plantago aristata fl.
Chrysanthemum pectinatum fl.

a flat, somewhat sandy area.

~~low Phlox modesta~~
in low place, Del.
~~Hedictium dasycarpum.~~

Urbana -

as station: in flower
+ ^{inflorescences} Adonis cerasinus
+ Populus tremuloides
+ ^{Medicinal} Hedysarum occidentale
Rebfalfa
+ ^{Medicinal} Rumex crispus
+ ^{inflorescences} Trifolium pratense
+ ^{inflorescences} Trifolium repens
+ White Clover.

Branickia annual.

^{Shallow} Thlaspi

Dianthus

Rumex acetosa

Linn Co + ^{large} Taraxacum - large

Center Point those marshy +
above were in Cedar R.
also:

Lathyrus sativus L.
melilotus albus L.

Sisymbrium officinale L.

True dandelion out
is piece of prairie

with much ~~Thallium~~
dasytophus & some Phlox
maculata

Good woods

Lafayette -

A lot of ^{new} Robinia acetosella
in fields all along.

Again ^{new} Hedictium &
Phlox maculata

still farther ^{near Robins} along pp

Phlox modesta low
Hedictium fl rather low

Krigia fl

Eriogonum ramosum fl

Ackelium fl

Andropogon spicatus fl

Tradescantia - small

Robins - Shaver - ^{each in} said enough. (Cedar R.?)
Cedar Rapids at 10⁵⁰ (small boy
had string)

expenses

R.R. to Independence 1.78
in a town City 1.78
~~1.78~~ ~~1.78~~ ~~1.78~~
X 3.156

29
1.78

June 11 Tues. 1918

Left at 3 PM. for
Cedar Rapids and Independence.
Reached Independence at
6²⁶ PM. Met Dan D.
Donnan. He had married
Lucia Cole. Is now
again married. He
runs a pool-hall. and
is the Commandant of the
Sons of Veterans.

Mr Ed. Raymond drove
me about. He is a
Consistory member and was
in my class up to the
18th. He finished at
one, - I finished later.

In the evening the
G.A.R. & W.R.C. came in
a small audience.
Discussed:

Possibilities of service
Influence on boys
" " ourselves.

What we can do:

Not going

Give more support

Help financially

Inform ourselves.

We need at

Our schools have false

Declaration of Independence

We held wrong ideals before
our young people.

Selfish

now service

We need information.

Read all about Germany

From our standpoint

Learn & know countries of
Europe.

We know how wrong leading
German & Germanists

Fred. the Great

Misnomer

Kaiser

Why not Schurz & Siegel
we believe in our

German Schools,

"university"

(Olobaji Kaiser incident)

Kamposcu not Obedient

What it conveys.

My motivation

Father's inspiration

Coming - our flag - not
our selfish ideas

June 12, 1918.

Downey, to Inglewood (on
return)

Oxybaphus mystery fl.

Achillea fl.

Oenothera (large fl.)

Fragaria (small) fl.

Hedysarum dasycarpum fl.

Stipa heterophylla fl.

Eryngium rugosum fl.

Phlox maculata (low)

Hedysarum - fl.

Rumex britannica (low w.) fl
" *altissima* fl.
Poa pratensis fl.
Arenaria canescens fl
Bromus (flowering)
Koeleria cristata - fine fl.
Hordium jubatum fl
Rosa pratincola fl
Helictis scabra fl. (few)
Zizaniopsis fl. & fr
Baptisia - smooth - fl

Okoboji account - 1918

June 14- Taxi-Hos. Iowa City \$.75
 RR. to Cedar Rapids .86
 Board J. J. Rice \$ 21.00
 RR. to W. Okoboji (no tax) 6.81

June 15 Diner - 2 meals-breakfast 1.70
 Steamer steam ticketed 6.00
 Bus to boat - Steamboat ticket ^{5.60}
 Anderson dinner 6.50
 June 15- Miller's Hotel: ^{Crowley} ^{Mrs. C. & H.S.} 2.00

" 16-

" 17 - Paint - May 3.50

Screws & hooks ¹⁵, screen ⁵⁰ ^{Mansmith} ar. ⁵⁰ 65
 Gray Andes Park ⁵⁰ Boat freight ⁵⁰ 1.00

" 18

" 19

" 20 Rake, wirefrd- ^{1.25}

" 22- Brushes ⁷⁵ (crack at top)

" 29- Pliers ^{1.15}, 2 spark plugs ^{2.00} 3.15
 christensen ²⁵ Martin ²⁵ mtn new 3.90+.
 muslin - magazine
 melon ¹⁵ glue ¹⁵, (all at Spirit Lake) 1.30

July 3- RR. to Iowa City

Supper en route

\$ 8.31

.60

.75
 .86
 6.81
 1.70
 6.50
 6.50
 2.00
 8.31
 .60

\$ 33.53

To Okoboji June 14, 1918
Left Iowa City at 9⁴⁵ AM. for
West Okoboji, with Hins C.

June 15, 1918
Reached W. Okoboji after
8 am. & at once took the
Sioux City for the Laboratory.
Found Crouch & Anderson
on hand. They came yesterday.

We fitted in, opened up
and cleaned the Cottage,
Dormitory & traps set up
dining tent & day clear & windy.
We took dinner at the old
Miller's Hotel, now a boarding
house for the State laborers.
Patched up supper, potatoes
and eggs, - stove failed to
work.

Miss Douglas and Miss Fillman
came in afternoon, and Miss
Christensen came in the evening, by
Launch.

Mosquitos very plentiful.

June 16, 1918. Saturday.
Arose at 8 am. and spent the day in clearing up.

Stove was cleaned early, and worked better. We had breakfast at 11 am, and dinner at 6 P.m.

Towards evening Dr. Stephen, Miss Walker, and Mr. Abel came.

Day rainy a little in the morning, later windy and mostly clear, and the lake rather rough.

June 17, 1918. Monday
Arose at 6³⁰. Day hazy but clear.

Registered students,
at 11 am. I discussed map with students.

Miss Ensign came in a little afternoon, by launch from Arnold's Park, after dinner I went to Arnold's Park by the long city and found only my plant from at the express office.

Returned after 6 pm.
Latter part of day cloudy and wind from the East practically all day.

June 18, 1918 - Tues.

Spent forenoon with Ecologists.
Met Taxonomists.
Discussed subject in general,
using Bulletin.

In afternoon left them to compare prairie & forest
lists of plants in Bulletin.
Went to Arnold's Park.

Found my boxes of Adelphi
express, had them loaded,
and I went to head of
lake, walked from
west Adelphi to Montgomery,
walked about one-half mile
at W. Adelphi, & then
along R.R. to Montgomery.

Find prices same or
even higher & walked
back. Was $\frac{3}{4}$ mile S. &
then by private road 1 mi.

further south, along
section line, then
east, then diagonally
S.E. to main road

Montgomery

$\frac{3}{4}$ mi

N
S



Stopped at the Black
Tern kettlehole, $1\frac{1}{2}$ mi.
N. of Lab., & collected
plants. Found few
Eriophorum.

Walked back to Lab.
The kettleholes nearly
all drained, &
prairie all plowed.
Even strips along
road will disappear
as the main N. & S.
road is to be widened
and improved.

I was lucky to get
these earlier plants
years back, as the
country is changing
very much.

June 19, 1918 - Wed.

went out with Ecologists
to East ridge (prairie) from
town just N. of Lab.

June 1911 (when photo was
taken) *Rhus glabra* as
overached on prairie.

Then worked prairie ridge
just west of above one, &
checked list (see next
two pages)

We then returned to
Lab. & I showed me of they on
Anemone canadensis &

Polygonatum commutatum

In the afternoon we went for
mail & walked whole
length of prairie to south
of mailbox. I collected
plants - prairie.

Very calm day. Lake
fine.

E.- Ridge S. of Lab.

- + Solidago missouriensis - lf.
- + Poa pratensis - fr.
- + Carex festucacea - fr.
- + Petalostemum candidum Lind.
- + Verbena stricta - fl. + bud.
- Panicum virgatum - lf.
- + Lepidium apetalum - fr. & fl.
- Asclepias syriaca - lf.
- + Ambrosia artemisiæfolia - lf.
- + 10 Physalis peruviana - fl.
- + Phleum pratense - fl. introd.
- Delphinium nudicaule - bud.
- + Aster multiflorus var. exigua - lf.
- + Artemisia ludoviciana - lf.
- + Poa compressa - fr.
- Heliopsis scabria - fl.
- Lathyrus venosus - lf.
- + Rosa pratincola - fl.
- + Panicum Scribnervianum - fr.
- + 20 Amorpha canescens - bud -
- + Petalostemum purpureum - lf.
- + Solidago canadensis - lf.
- + Vitis vulpina - lf.

- Xeranthemum - fl. introd.
- Potentilla norvegia fl.
- Diffidium fruticosum - fl. (introd)
- + Oxalis stricta - lf. & fl.
- + Andropogon furcatus - lf.
- + Stipa spartea - fr.
- 30 Lithospermum canescens fl.
- Acerates viscidiflora Lind.

West ridge (addition) rec. + above.

- Astragalus canadensis - lf.
- Rhus toxicodendron - lf.
- Monarda mollis - lf.
- Agropyron Smithii - lf. & fl.
- Andropogon scoparius - lf.

- Potentilla arguta Lind.
- Astragalus caryophyllus - fr.
- Physalis peruviana - fl.
- Lepidium campestre - lf.
- Anemone cylindrica - fl.
- Eriogonum ramosissimum - fl.
- Artemesia ludoviciana - lf.
- Oenothera occidentalis - fl.
- Symphoricarpos occidentalis - fl.

June 20, 1918 - Thurs.

Spent forenoon with Taxonomists
in Lab. In afternoon went out
to Cushing. Saw

Lovmont - Prairie.

- + *Lathyrus venosus* fl.
- + *Phlox pilosa* fl.
- + *Polygonum pratense* fl. (interv.)
- + *Rosa pratincola* fl.
- 5 *Vicia americana* fl.
Hordeum jubatum fl.
- + *Carex festucacea* fr.
- + *Amaranthus caudatus* lf., lvs.
- + *Litochropus caudatus* fl.
- + 10 *Carex palustris* lf., lvs.,
+ *Astagalus carolinianus* fr.
- + *Oenothera serrulata* fl.
- + *Solidago rigida* lf.
- + *Ibelium dasycarpum* fl.
- + *Silphium laciniatum* lf.
- + *Koeleria cristata* fl.
- + *Stipa aperta* fr.
Petalostemum candidum lvs.
- + *Aster sericeus* lf.
- + 20 *Antennaria vestita* lf.
Gilia borealis fl.
- + *Eryngium ramosum* fl.
- + *Arenaria cylindrica* fl.

- + 24. *Nelumbonaceae* scaberrimus lf.
- + *Fragaria virginiana* lf.
- + *Acervulus indiferens* lvs. lvs.
" " v. laevigata lf.
- + *Aster multiflorus* v. exigui lf.
- Steinonenia ciliata* lf. (low)
- + 30 *Panicum Scribnerei* fr.
Veronica virginica lf.
- + *Petalostemum purpureum* lf.
- + *Liatris scariosa* lf.
- + *Pooralla esculenta* fr.
- + *Kuhnia eupatorioides* lvs. lf.
- + *Eryngium yuccifolium* lf.
- * *Buxus struthio* fl.
- + *Anemone patens* v. Wolfgangia lf.
- + *Ziziphium repens* fl. (interv.)
- + 40 *Andropogon scoparius* lf.
- + *Ziziphium pratinum* fl. (interv.)
- + *Solidago speciosa* v. angustifolia lf.
- + *Comandra umbellata* lf.
- + *Poa compressa* fr.
- + *Aster laevis* lf.
- + *Brassica angustifolia* lvs.
- 47 *Oxybaphus pubescens* fl.

48. *Lepidium apetalum* fr. & fl.
+ *Sisyrinchium campestre* fr.
50 *Cirsium canescens* - lf.
Castilleja sibirica fl. (fl.)
+ *Oxybaphus nyctagineus* fl
+ *Helianthus grosseserratus* lf.
54. *Agropyron tenerum* fl.

Ind Lookout - fr + re hairy lvs.

- Lepidium capitata* lf.
Carthamus creticus fl.
Oxytropis lambertii fl.
Artemisia ludoviciana fl.
Helianthus scabriusculus brd.
Psoralea argophylla brd.
Cirsium heterophyllum lf.
Astragalus inflatus brs.

Came back & worked on
plants

June 21, 1918 - Fri.
Rained in morning. Spent
forenoon in general discussion,
particularly of Bulletin.
Quite windy.

Saturday - June 22, 1918

went by row boat to low oak
woods E. of canal with Mr. Dawson & Mr. Teller

Bit of prairie in bar oak
woods E. of Canal

- ✓ + *Lithophragma canescens* fl.
- ✓ + *Fragaria virginiana* fr.
- ✓ + *Solidago canadensis* lf.
- ✓ + *Andropogon furcatus* fl.
- ✓ + *Koeleria cristata* fl.
- ✓ + *Lepidium campestre* lf.
- ✓ + *Ambrosia artemisiifolia*
- ✓ + *Hedictyon surinamense* fl.
- ✓ + *Astragalus canadensis* lf.
- ✓ + *Galium boreale* fl.
- ✓ + *Potentilla argentea* lf.
- ✓ *Rosa blanda* C. - lf.
- ✓ + *Monarda mollis* lf.
- ✓ + *Rhus toxicodendron* lf.
- ✓ + *Helianthus scaberrimus* lf.
- ✓ *Pelox palmar* fl.
- ✓ + *Asterus serotinus* lf.
- ✓ + " *bulosum* lf.
- ✓ + *Antennaria stroblii* lf.
- ✓ + *Stellaria stellata* lf.
- ✓ + *Taraxacum officinale* fl.
- ✓ + *Solidago bellidifolia* lf.

- +23 *Vicia americana*
- ✓ + *Alismum fruticosum*
- ✓ + *Rubus occidentalis* fr.
- ✓ + *Eriogonum philadelphicum* fl.
- ✓ *Cornandra muculata* lf.
- ✓ + *Lathyrus vernus* lf.
- ✓ + *Anemone cylindrica* lvs.
- +24 *Ambrosia polystachys* lf.
- ✓ + *Poa pratensis* fr.
- ✓ + *Panicum scribnerianum* fl.
- ✓ + *Cirsium decolorans* lf.
- ✓ *Polygonatum multiflorum* fl.
- ✓ + *Helianthus grosseserratus* lf.
- ✓ + *Aster multiflorus* s. lf.
- ✓ + *Anemone canadensis* lf.
- ✓ *Ceanothus americanus* lvs.
- ✓ + *Aster wilsonii* lf.
- +25 *Carex festucacea* fr.
- ✓ *Vernonia fasciculata* lf.
- ✓ + *Aster laevigatus* lf.
- ✓ + *Zizia aurea* fr.
- ✓ + *Thlaspi arvense* fl.
- ✓ + *Anemone canadensis* fl.
- +26 + *Symplocarpus rotundifolius* lf.

Further east

- ✓ 47. *Daphne mezereum* L.
- ✓ *Corylus cornuta*
- + *Hedera helix*
- Further south of fire
- + *Aesculus (various kinds)* fl.
- ✓ *Vaccinium strobilaceum* Lf.
- ✓ *Acer palmatum* Lf.
- ✓ *Zygophyllum robustum* fl.
- ✓ *Polygonatum multiflorum* fl.
- ✓ *Artemisia discolor* fl.
- ✓ *Andropogon scoparius* fl.
- ✓ *Indigofera truxillensis* fl.
- ✓ *Fragaria Virginiana* fl.
- ✓ *Solidago speciosa* fl.
- ✓ *Ranunculus abortivus* fl.
- ✓ *Vitis rotundifolia* fl.
- ✓ *Sisyrinchium campestre* fl.
- ✓ *Lathyrus palustris* fl.
- ✓ *Rosa palustris* fl.
- ✓ *Vitis cordata* fl.
- ✓ *Plantago rugelii* fl.
- ✓ *Plantago rugelii* fl.
- ✓ *Blumeria glabricarpa* fl.
- ✓ *Asclepias speciosa* fl.

Returned at 11 & went to Lookout with Miss Walker. In the afternoon went north to Black Bear Lake (or Butterfield) with Miss Ensign & Anderson. Collected some prairie plants. At Black Bear Butterfield found *Cypripedium candidum* in fruit. Found a *Lilium philadelphicum*. Moderately windy - S.E.W.

June 23, 1918 - Sunday
Awoke after 8 am.
Had service at 10³⁰ am.
Hymn
Reading of *Scriptures Ecclesiastes 7-10*
Hymn.
I talked on value of sorrow & tragedy.
America.
Spent day in figuring board &
arranging & cleaning.
Quite windy. Rained some.

June 24, 1918, Mon.

In the morning the Ecology class went to the Corkout. We studied the map in detail and considered the distribution of forest, prairie and bottomlands.

If threatened rain more or less.

In the afternoon we went to the bare hills north of Miller's Mill and studied the remnant of the prairie flora. All the plants were little stunted stragglers among the *Poa compressa* now wholly dominant. Most were young plants.

The following is list:

Went to prairie ridge N. of Miller's Mill.

Found on prairie:-

- Oenothera occidentalis* fl.
juv. *Verbena stricta* lf.
juv. *Pycnanthemum flexuum* lf.
Trifolium repens - fl.
juv. *Monarda mollis* - lf.
Symphoricarpos occidentalis - fl.
juv. *Ambrosia artemisiifolia* lf.
Poa compressa - lf. - very common.
Equisetum arvense - 1 sterile.
juv. *Petalostem condidum* lf. 1-
Antennaria nudicaulis lf.
Equisetum variegatum - sterile
Phleum pratense - fl.
juv. *Silene stellata* Iwaf. 1
juv. *Cirsium canescens* - lf.
Juncus erythronurus lf.
Lepidium apetalum fl. & fr.
juv. *Agrostis brachyantha* lf.
Silene antirrhina fl.
juv. *Riter multiflorus* var. lf.
Euphorbia corollata Presl fl.

- 22 *Anemone patens* var. lf.
Koeleria cristata fl.
Oxalis stricta lf.
 juv. *Solidago rigida* Y
Aster sericeus lf.
 juv. *Potentilla arguta* lf.
 juv. *Aster oblongifolius* lf.
Oenothera biennis lf.
 30 *Lithospermum canescens* fr.
 juv. *Catalystepha purpurea* lf.
 juv. *Rosa pratincola* lf.
 juv. *Artemisia tridentata* Y
Oenothera serrulata fl.
 juv. *Brauneria amplipetala* lf.
 juv. *Populus tremuloides* lf.
Anemone cylindrica fl.
 juv. *Fragaria virginiana* lf.
Eryngium venustum fl.
Paralepis argophylla lf.
 juv. *Amelanchier canadensis* lf.
 Dry land: *Liquitach variegata*
Testacea reticulata fr.
Liriodendron tulipifera fl.
Arabis drummondii fl.

- juv. *Heuchera hispida* lf.
Rosa trifolia? (fine) fl.
 juv. *Acetosella vulgaris* & *lanceolata* lf.
 juv. *Allium canadense* lf.
Bontekoea hispida lf.
 Carex — fr.

It was stormy towards evening, and in the evening a heavy storm broke.

Couch and Schubmedine had taken a row boat to Arnold's Park and could not return. (called me up from Manhattan at 1 a.m.)

June 25, 1918 Tues.
Taxonomists worked in
forests with legumes, the
Ranunculus
in the afternoon
Compositae and other forms
were taken.

The whole day was
spent in indoor work
on material received nearly.
It was very wet in the
morning and the day
was more or less blustery.

We put in a lot of
good time on identification,
and I discerned some
details of structure of flowers, etc.

This is my 6th day.

June 26, 1918 - Wed.
The special work of the
Ecologists was done without
much help from me except
that I went to Elgin Coast
woods and to Gull Point
with Anderson. Looked at
trees.

Found fairy rings in
some old place. Grass was
darker green around ring.

Both *Ephista marginata* and
the puff-balls formed
each a ring. Rings
were poor. Two imperfect
puffball rings were found.
At Gull St. found just two
flowers on *Pentstemon grandiflorus*,
all others in fruit.

Collected lichens on birch and
green ash.

In evening went to stamp meeting
at Wilford. Wallace of Co. Bluffs &
Capt Allen of Mich. Army spoke. 700
men in crowd. Went with Liveryst

June 27, 1918 - Thurs.
Worked indoors on
taxonomic materials.

In the afternoon went
to mailbox and collected
a few plants from bog north
of mailbox and a larger
number from the prairie
on the south side of road
going west from mailbox.
We returned rather
early and worked at
weeds, etc.,
(See plants collected.)

Worked in the garden in
the evening. Weeded, planted
five rows of radishes
and thinned out and
hoed the corn.

June 28, 1918 - Fri.
Rained in morning. Worked
indoors in forenoon. ^{Dismantled prairie} found factors.
At noon went to Spring &
collected shells & diatoms.
Bifidaria corticaria was quite
abundant, and I learned a
few other species (see lot.)

Three species of slime molds
were collected on partly
fallen red-elm trunk.

In afternoon went to Elm
Crest Woods with Trojans.
Collected lichen and wood
species. Found *Carex*
cus-covi in small bog just
west of Elm Crest.

The following plants were
observed in the deeper woods
opposite the Cove (Elm Crest
woods):

Douglas mucrocarpa lf.
Fragaria pen. v. luteola fr.
Ostrya virginiana lf.
Ulmus americana lf.
Crataegus mollis fr.
Juniperus virginiana lf.
Pedicularis sudetica lf.
Vitis vulpina lf.
Prunus virginiana lf. fr.
Lonicera sempervirens fr.
Zanthoxylum americanum lf.
Desmodium grandiflorum fl. + br.
Aquilegia striata bl.
Dumalis monacha lf.
Rhus toxicodendron lf.
Tamia integrifolia lf. b.
Dracunculus vulgaris fr.
Ribes grante fr.
Lyngbya volvacea lf.
Polygonatum multiflorum lf.
Silene stellulata lf.
Rubus occidentalis fr.
Elymus tristis fl.

Vitis cordata lf. (häufig)
Anemone virginiana fl.
Artemesia triphyllum lf.
Cornus canadensis lf.
Baccharis macilenta lf.
Thlaspi arvense fl. & fr.
Rhus glabra lf.
Apocynum cannabinum lf.
Grimmacia stellata lf.
Carex granularis fr.
Tolpis canadensis lf.
Oenothera biennis lf.
Smilax herbacea lf.
Ulmus fulva lf.
Carica californica fl. et
Zizaniopsis miliacea lf.
Carex latifolia fr.
Hydrophyllum virginianum fr.
Ulmus americana lf. bl.
Aster cordifolius lf.
Phragmites australis > lf.
Impatiens pallida lf.
Actaea rubra fr.
Calystegia soldanella fl.

Douglasia var. *geminata* L.
Pedicularis *parviflora* fl. Y
Eriogonum *glabratissimum* f.
Grevillea ^{canescens} *canescens* fl.
Giliastrum *sparsiflorum* L.
Agathosma *scrublandinifolia* Elff.
Carex rostrata L. pr.
Luzula *halimoides* L. f.
Ova fraterna L. (few)
Smilax canescens L.
Allium tricoccum L.
Cleistogenes sparsa L.
Lilium *purple* L.
Osmunda cinnamomea L.
Laportea canadensis L.
Heuchera catinaefolia L.
Viola pubescens L.

Returned and cared
for the materials collected.
Mrs Fillman remained at
dormitory all day.

June 29, 1918, Sat.
Arose early hoping to get
to head of lake with Ella.
Launch was without a
spark plug and we did
not get out.

Rained again last night
and the morning is cloudy and
threatening more rain.
The lake is quite calm, but
breeze is coming up.
Left on Sioux City at about
9 am. & waited at
Arnold's Park 2 $\frac{1}{2}$ hrs., -
until 12¹⁵.

Collected rusted leaves of
Crataegus mollis & C., -
showing spermatangia.

An old fellow (who had
lived here 30 yrs.)
offered at the idea of
the being some sort
pear apple.

Collected shells under

leaves, log & bark
in wood S. of road,
S.E. of Church at
Ames Park. Also
a Dipt.

Took train for Spring
Lake & stopped at
latter place.

It rained (drizzled)
most of the afternoon.
Felt as brittle.
Walked west of depot
on RR to wasagoon
collected prairie plant.

Left at 6:07 P.M. for
head of lake.

Returned to Lab. by
the Des Moines.

June 30, 1918 Sunday,

Went most of forenoon in
drawing war map of
Europe.

At 2³⁰ I talked on the
subject, "Why did Europe
go to war?"

Several farmers came
in: Livingston, Koshers, &
Nelson's. Nelson was one
of Loo's students (graduate)
Later in the afternoon
I picked a few *Ribidaria*
corticaria, etc., on cliff at
the Spring.

Rained the night before
and roads were bad in
places.

July 1, 1918 - Monday
Dolph Livingston took
us to the Little Sioux.
Dr. Stephen, Miss Cavanagh
and Ensign, & Miss Anderson,
Abel, & myself went.

We started at the hillside
bog in the NW corner
of sec. 4. 98-37 &
walked the creek valley,
picking up shells
under stones & lichens
on trees.

Then dredged in the
hillside bog & collected
Ptilium, etc.

Then went down the
river (on S. side) to
wooded Bluff. Picked
shells & plants.

Up on bluff there are
Quercus & *Acacia* less
than 6 ft. high &
bearing acorns.

There is up here also a
nice lot of prairie.
Then walked to bridge
& found fungi on Q.
Mucoropsia by & also
a *Plasmadonium*.
Livingston called for us
and we drove home early,
about 7.

In the morning found it
rainy to get after Thelminidium
& Crouched for late hours &
disturbance of camp.

July 2, 1918 Tues.

a hot, sultry day.

Spent all of it indoors
with the Taxonomists.
Worked Umbelliferae
& Cruciferae.

Made wood in the
evening.
Sorted materials and
packed some.

July 3, 1918 Wed.

Spent part of forenoon
in drawing apparatus with
Biologists.

Packed and wrote letters.
In the afternoon Mr.
Shelmidine, Dr. took me
to Spirit Lake by auto.
Left Spirit Lake for
Iowa City at 4³⁰ P.M., - via
West Liberty.

A tedious trip, with
some discomfort due to
crowing, & to heat, -
or dust and wind if
windows open.

June 20, 1919 - Left at 2:47 P.M.
for Cleveland

Taxi - town city	\$.25
RR. to Cleveland	18.75
Supps - dinner	1.00
Sleeper	1.73 + .25
Breakfast - rest.	.25
Dinner	.45
RR. to South Bend	10.04 + .25
+ sleeper	

RR. St. Paul to Duluth 1.62

June 21 - RR. to Minneapolis 2.60

RR. to Chicago 7.46

Met in National Hall
on Broadway. Slovaks only
party represented. To list
no proceedings.

Had ugly reaction with
Slovaks - over ship matter.

Evidently many are interested
in the company which ships
at 18cts per lb.

Broke up in rather lame
fashion.

June 22 - Visited with Bertha
Paul & Harold. In afternoon
the Scotts (Dr. & Mrs. &
Josephine) came over, & in
evening Dr. took his love
to Skatot in auto.

Left at 10:15 (11:15 A.M. time).
Reached South Bend, Ind. at
5 am. & left at 7:17

June 22 for Dunn Park,

From St. Paul to Dunn Park
along R.R.

In Alice's saddle off
Chimney Rock fl.
Equisetum arvense var.
Poa pratensis var.
" compacta
Salix lucida lf.

Tragopogon reflexus fl. ^{white}
Corylus americana lf. (new var.)
Rosa — fl.

Ligustrum vulgare fl.
Lepidium apetalum L.
Vitis vulpina fl.

- Thlaspium dasycarpum* fl
Achillea millefolium fl
 15 *Athyrium* ~~peak leaf~~
Otus aquilin deer antler
Hypoxis fl
Chrysanthemum leucanthemum fl
Redberbia triste fl
 20 *Phlox pilosa* fl
Helianthus scaberrimus fl
Pentstemon digitalis fl
Bromus arvensis fl
Polygonatum (small) fl
 25 *Asclepias tuberosa* br & fl
Anemone Smithii fl
Oxybaphus oxycephalus fl
Asclepias syriaca fl
Plantago glabra fl
 30 *Rubus hispida* fl
Melilotus alba fl
Tripolium hybrida fl
Lathyrus palustris fl
Thysa oblonga fl & fd
 35 *Luzula vulgaris* fl
Carex cespitosa

- Hordium jubatum* fr.
Tripolium urbanum
White Clover fl.
Bromus tectorum fl.
 40 *Marisa annua* fl.
Polygonum avicinatum fl.
Eryngium giganteum fl.
Melilotus officinalis fl.
Aster (small) fl.
 45 *Solidago speciosa* fl.
Lilium philadelphicum fl.

Reached Dune Park at 7:51 &
 worked near station, then
 on flat toward other side toward
 lake, + back to station.
 Some of the plants was collected
 in boggy ground.
 50 *Stipa capillaris* com.
 + *Zizaniopsis miliacea* com.
 + *Polygonum perfoliatum* com.
 + *Rubus hispida* fl. + *Rosa rugosa* com.
Bromus tectorum br. + *Coreopsis palmata* br. + fl.
 scattered com.
 - *Rubus hispida* br. + *Tradescantia pallida* com.
 + *Arabis scutellata* fl. + *Scirpus americanus* com.
 + *Yucca whipplei* fl. + *Lathyrus palustris* fl.
Asclepias speciosa fl. + *Lathyrus palustris* fl.
 " *Artemisia* fl. Obs. *Empetrum* fl.
 patch

June 29, 1918

\$ 3.25 Isabellie Waller
 ✓ 15 D. Everett Sheldridge
 ✓ 15 J. B. Fillman
 ✓ 5 J. B. " "
 ✓ \$ 5 Evelyn Erigen
 ✓ 25 Waldo Anderson
 ✓ 5.00 Isabellie Waller

 \$ 73.25

Glue & Magazine at McGraw Pharmacy
 Pliers at Curtis & Lee's Hardware,
 Spark plugs from Spirit Lake
 Motor Co.
 Muslin at Christensen Bros.

	clumps	not many
+ Fallopia scandens lf	common	No dense int. fl.
+ Ericor sanguinalis fl	few	scattered
Apolynurus (pink) fl	few	Lobelia spicata
Crepis pumila (white) fl	few	scattered
- Phlox pilosa fl	common	Lilium philadelph.
Polygonatum fl	few	scattered
Asplenium platyneuron fl	scattered	Anemone sp. (white)
+ Osmunda cinnamomea fl	few	Prunus pensylvanica fl.
Melilotus officinalis fl	few	Vaccinium (hairy) clumps fl
		aristata? "
		few "
		Osmunda cinnamomea fl
		5. 6 not

+ Primula - fl
 few
 + Berberis thunbergii fl
 scattered
 + Scirpus lacustris campion
 + Helenium - fl
 patches
 Common valerian - scattered
 + Ligustrum vulgare fl
 scattered
 + Carex festucacea
 clumps
 Eryngium - scattered
 + Lysimachia nemorum
 Polygala amara
 - Malva - fl
 + Krigia - scattered
 + Rubus idaeus fl
 patches

lower ground

few
 Lythrum salicaria fl
 common
 Osmunda cinnamomea fl
 Carex communis fl
 few
 patches
 Carex vulgata fl
 scattered
 Houttuynia - fl
 patches
 Trientalis - fl
 Dryas -
 common
 -
 Cyperus -
 small
 Carex -
 also following:
 Amaranthus - fl
 few
 clumps fl
 Brown hairy - fl
 com.
 Salix - fl
 com.
 Salix - fl
 com.
 Fine grass fl

Zizaniopsis miliacea
 few
 Castilleja pallida fl
 clumps fl
 Polygala amara
 scattered fl
 Galium - fl
 few
 Viola pedata fl
 (white or blue)

(John) McCord
Opera

Floete
Minneapolis,

J. D. Livingston
and 2. Milford, Jr.

Worrell's Chapel
Methodist -
E. J. Shabazz

25th Nov - Interurban
bus - Day Trip

	check	
\$	32,80	25.
	6.05	
#	26.75	
	25.00	
	25	24

Richard W. Wolfe
707 ^{ac} Tower Bed
Wich Ave + Madison St
(Irish residential)

